



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PRELIMINARY ISSUE
DAS
35
9-89

D5572-1
Job Sheet 171988

Accounting Job RD17-1046-01



Part No: D5572-1

Job Qty: 2 ea

Part Name: Base Bracket, Lower Cable Cutter, LH



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/9/18

Job Tracking No:

Created By: Michelle Gagnon-Donovan

Due Date: 2/23/18

Type: R+D

Description:

Note: TBD DWG D5572-1 REV:A IPP REV A 18.02.05 NEW ISSUE RQ VERIFIED BY DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup	Run	Workcenter / Supplier	Lead Time	
90	Start up Operation	2 Ea	2/22/18	2/22/18	0.00	0.00	Start Up Machining-1		18-03-20
110	CNC Vertical Machining	2 pcs	2/22/18	2/22/18	0.00	0.60	HAAS1-1		18-03-20
120	QC	2 pcs	2/22/18	2/22/18	0.00	0.00	QC2 Machining-1		18-03-20
130	QC	2 pcs	2/22/18	2/22/18	0.00	0.00	QC8 Machining-1		18-03-20
135	Outsource	2 pcs	2/22/18	2/22/18	0.00	0.20	HandFinish1		18-03-20
140	Packaging	2 pcs	2/22/18	2/22/18	0.00	0.00	QC7-5		18-03-20
145	QC	2 pcs	2/23/18	2/23/18	0.00	0.10	Spray Paint		18-03-20
150	QC	2 pcs	2/23/18	2/23/18	0.00	0.00	QC14		18-03-20
180	Packaging	2 pcs	2/23/18	2/23/18	0.00	0.00	Packaging3-1		18-03-20
190	QC21-SA	2 Ea	2/23/18	2/23/18	0.00	0.00	QC21		18-03-20

Part Op 110 - 1-Machine per folio FB767 DWG REV: FOLIO REV: 2- deburr and break all sharp edges

Descriptions: 120 - QC2- Inspect parts off machine FAI/FAIB

130 - QC8- Inspect parts - second check

135 - Issue P/O to ATG : Black Anodize & Prime as per Dwg. D5572 Certification of Conformity is required.

140 - Certification of Conformity is required.

180 - Identify as per dwg & Stock Location:

190 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M7075T6S1.750X3.000	7075-T6 Sheet 1.750" X 3.000"	1.2000 ft (.6 ea)	90-Start up Operation	5030258

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M7075T6S1.750X3.000	1	33	0

Part Specifications

Specifications could not be found.

Plex 3/1/18 4:04 PM Dart.Gagnon.Michelle

DAS
35
9-89

Approved
18/03/22

POSITIVE RECALL

MAR 01 2018

EFFECTIVE

RELEASED

AUTH

DATE

SAC
SAC
SAC

Dart Aerospace Ltd.
4270 Airport Road
Newmarket, ON Y6A 1K7
CANADA
TEL: 1-877-822-5200
www.dartaerospace.com

-DART
AEROSPACE

Container No: 8038286

Part: D5572-1
Job No: 171988
Serial No: 8038286

Revision: A
Inspector:

Date: 03/20/10

DQA: _____ Date: _____

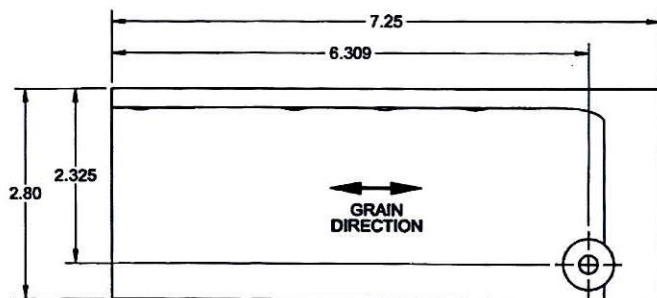
WORK ORDER NON-CONFORMANCE / UPDATE



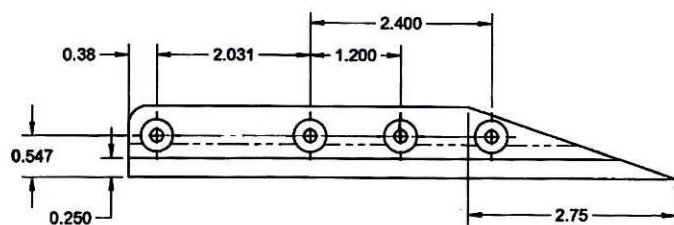
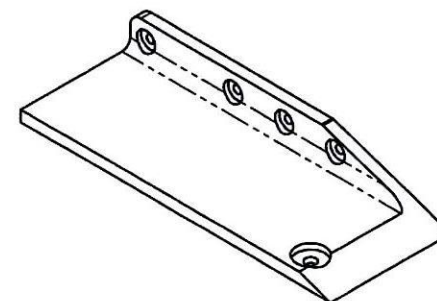
QA Closed: _____ Date: _____

Work Order update only ☐

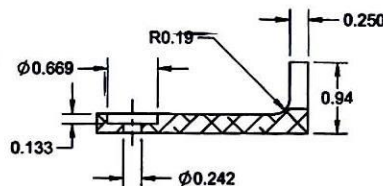
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective : _____				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								



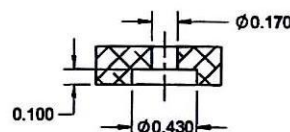
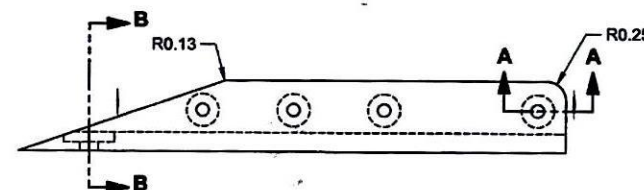
Job# 171988



D5572-1 BASE BRACKET, LOWER, CABLE CUTTER (LH)



SECTION B-B



SECTION A-A

4 PL
SCALE 2X

NOTES:

- 1) MATERIAL: 7075-T6 (OR T651/T6510/T6511/T62) ALUMINUM BAR
PER AMS-QQ-A-225/9 (OR AMS 4122/4123/4186/4187) OR
PER AMS-QQ-A-200/11
REF DART SPEC M7075T6B
OR: 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE
PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR
AMS 4045 OR ASTM B209
REF DART SPEC M7075T6S
- 2) FINISH: ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, COLOR = BLACK
PRIME USING MIL-PRF-23377, 1-2 MIL MAX, PER DART QSI 005 4.2.1.3.2
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.7
- 7) WEIGHT: 0.57 lbs

RELEASED

2018 FEB 28
EUGENE, OR

APPROVED

A	NEW ISSUE	CP	17.11.15
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE USA, INC. EUGENE, OR DRAWING NO. D5572 TITLE BASE BRACKET, LOWER, CABLE CUTTER SCALE _____ NTS _____ COPYRIGHT © 2017 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS UNCLASSIFIED AND IS SUPPLIED ON THE EXPRESS COVENANT THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	
DRAWN	CP		
CHECKED	RF		
MFG. APPR.	JFS		
APPROVED	HS		
DE APPR.	CP		
DATE	17.11.15	REV. A	SHEET 1 OF 2



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039408**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalonde, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039408
PO Date: 3/23/18
Due Date: 4/20/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

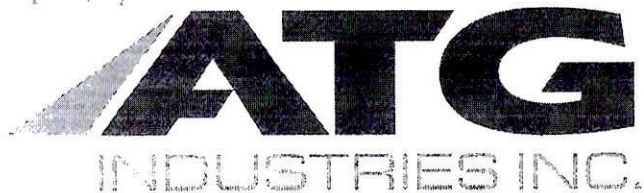
Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	174171	D5589-1	Gusset, Outboard LH Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5589 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	2 pcs	0 pcs 12x	2 pcs	\$12.35/pcs	\$24.70 AT 18/04/17
2	174168	D5581-2	Clip, Fwd, RH Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5581 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	2 pcs	0 pcs 2x	2 pcs	\$11.50/pcs	\$23.00 AT 18/04/17
3	173983	D5583-1	Radius Block Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5583 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	4 pcs	0 pcs 4x	4 pcs	\$8.85/pcs	\$35.40 AT 18/04/17
4	174173	D5590-1	Gusset, Inboard LH Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5590 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	2 pcs	0 pcs 2x	2 pcs	\$12.35/pcs	\$24.70 AT 18/04/17

Plex 4/17/18 2:32 PM dart.tsimiklis.chrisoula

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
12	173981	D5578-1	Shim, Cable Cutter Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5578 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	2 pcs	0 pcs	2 pcs	\$12.75/pcs	\$25.50
13	171986	D5573-1	Base Bracket, Upper Cable Cutter, LH Issue P/O to ATG : _____ Black Anodize & Prime as per Dwg. D5573 Certification of Conformity is required.	Firmed	4/19/18	3 pcs	0 pcs	3 pcs	\$13.45/pcs	\$40.35
14	171988	D5572-1	Base Bracket, Lower Cable Cutter, LH Issue P/O to ATG : _____ Black Anodize & Prime as per Dwg. D5572 Certification of Conformity is required.	Firmed	4/19/18	2 pcs	0 pcs	2 pcs	\$13.45/pcs	\$26.90
15	173985	D5579-1	Center Clip, Cable Cutter Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5579 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	4 pcs	0 pcs	4 pcs	\$10.20/pcs	\$40.80
16	173987	D5582-1	Aft Angle Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5582 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	2 pcs	0 pcs	2 pcs	\$12.20/pcs	\$24.40
17	173993	D5587-1	Stringer, LH Fwd Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5587 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	2 pcs	0 pcs	2 pcs	\$11.50/pcs	\$23.00
18	173992	D5586-1	Stringer, RH Fwd Issue P/O to ATG : _____ 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5586 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	4/19/18	2 pcs	0 pcs	2 pcs	\$7.25/pcs	\$14.50

DAS
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9-89



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914920

Date: 12-Apr-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

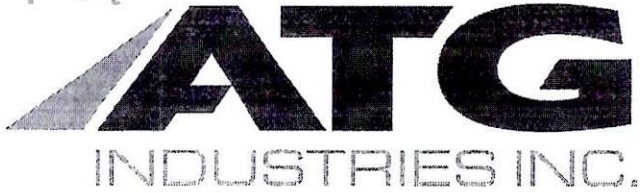
Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
2 ea	Part: D5572-1 Base Bracket, Lower Cable LH Hard Black Anodize per MIL-A-8625F, Type II, Class 2, . Prime IAW Mil-P-23377 J Type I Class N; 1-2 mil max as per QSI 005 Job: 22786		Rev: A PO: PO039408 Line: 14
2 ea	Part: D5585-1 Stringer, LH Aft Hard Black Anodize per MIL-A-8625F, Type II, Class 2, . Prime IAW Mil-P-23377 J Type I Class N; 1-2 mil max as per QSI 005 Job: 22791		Rev: A PO: PO039408 Line: 19
2 ea	Part: D5581-1 Clip, Fwd: LH Hard Black Anodize per MIL-A-8625F, Type II, Class 2, . Prime IAW Mil-P-23377 J Type I Class N; 1-2 mil max as per QSI 005 Job: 22778		Rev: A PO: PO039408 Line: 6
2 ea	Part: D5581-3 Clip, Aft. LH Hard Black Anodize per MIL-A-8625F, Type II, Class 2, . Prime IAW Mil-P-23377 J Type I Class N; 1-2 mil max as per QSI 005 Job: 22779		Rev: A PO: PO039408 Line: 7
2 ea	Part: D5589-2 Gusset, Outboard RH Hard Black Anodize per MIL-A-8625F, Type II, Class 2, . Prime IAW Mil-P-23377 J Type I Class N; 1-2 mil max as per QSI 005 Job: 22780		Rev: A PO: PO039408 Line: 8
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements.			
Made in Canada			



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914920

Date: 12-Apr-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via
		OUR TRUCK
Quantity	Description	
	Date: <u>12/04/2018</u>	
	Certified Signature: <u>[Signature]</u>	
	Receiver Signature: _____	
A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited.		
Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.		
Made in Canada.		



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel: (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO038697	DIV001-VU	1	1	Net 30	M7075T6S1.750X3.000	7075-T6 Sheet 1.750" X 3.000" MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A- 250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR ASTM B209 receive ft				96	1/8/2018	48		S030258	Stock	1/8/2018	\$ 44.83 / ft	1		\$2,151.96	Diversified Industrial Products
Total:										96		48								\$2,151.96	

Plex 1/9/2018 8:25 AM Dart Plouffe, Sonia

Status: Receiving

Part: **M7075T6S1.750X3**

Created: 1/9/18 8:24 AM DART.PLOUFFE.SON



Serial No: **S030258**



14 Connor Lane, Deer Park, NY 11729 Tel: 631.5200 Fax: 631.761.6201

Customer PO #	Order Date	SP
PO038697	12/20/17	AB

Sales Order Number	44870
Invoice Date	1/2/2018
Invoice Number	64915

Ship To:

DART AEROSPACE LTD.
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

# Pkg.	1 BUNDLE
Weight	360 LBS

Ship Date	Shipped Via	Test Reports
1/2/2018	JOURNEY FRT	Y

Item #	Order Qty	U/M	Description	Qty Shipped	Bal. on Order
1	96	FT	7075-T6 ALUMINUM, QQ-A-250/12 OR ASTM B-209 1.75" X 3" X 48" MILL: KAISER LOT #: 704550B3 SHIPPING SCHEDULE: 12 PCS - ASAP 12 PCS - WEEK OF 01/12/18	48	48

PACKING LIST
CERTIFICATE OF COMPLIANCE

We certify that the materials described above conform to the specifications stated.

Callie Vail

Quality Control Manager



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038697

Supplier: DIV001-VU
Diversified Industrial Products
14 Connor Lane
Deer Park, NY 11803 USA
Phone: 516 822 8300
Fax: 516 822 8332

PO No: PO038697

PO Date: 12/20/17

Due Date: 1/8/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

E-MAILED
DEC 20 2017

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	M7075T6S1.750X3.000		7075-T6 Sheet 1.750" X 3.000" : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 receive ft	Firmed	1/8/18	96 ft	0 ft	96 ft	\$44.8325/ft	\$4,303.92

Recu 48 ft

SP 18-01-9

Grand Total: \$4,303.92

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

CAZ
[Signature]

Plex 12/20/17 1:50 PM dart.lavoie.chantal

Chantal Lavoie

From: Anthony Burmeta <anthony@dipmetals.com>
Sent: Wednesday, December 20, 2017 11:08 AM
To: Chantal Lavoie
Cc: Jean-Luc Menard
Subject: RE: 7075-T6 Quote

Importance: High

Chantal,

Yes, we have enough stock to cut from. Revised quote would look as follows:

7075-T6 Domestic (USA)
1.75" x 3" x 4 Feet Long
24 Pieces
PRICE: \$179.33 Each

Estimated ship date: Jan 12th with a prompt order, or 2 weeks ARO (whichever is applicable, we are shutting down Dec 22nd and Reopening Jan 2nd)
FOB Deer Park NY 11729
All Material is Subject to Prior Sale & Availability

Kindest Regards,
Anthony

Anthony Burmeta
DIVERSIFIED INDUSTRIAL PRODUCTS (AS 9100 & ISO 9001 Certified)
14 CONNOR LANE, DEER PARK NY 11729
(631) 761-6200 EXT 110
anthony@dipmetals.com

From: Chantal Lavoie [mailto:clavoie@dartaero.com]
Sent: Wednesday, December 20, 2017 11:44 AM
To: Anthony Burmeta
Cc: Jean-Luc Menard
Subject: RE: 7075-T6 Quote

Thank you Anthony,
Would you have enough for 96 ft, please advise.
Thanks
Chantal

From: Anthony Burmeta [mailto:anthony@dipmetals.com]
Sent: Wednesday, December 20, 2017 9:17 AM
To: Chantal Lavoie <clavoie@dartaero.com>
Cc: Jean-Luc Menard <jmenard@dartaero.com>
Subject: RE: 7075-T6 Quote
Importance: High

Chantal,

We are pleased to offer the following:

7075-T6 Domestic (USA)

1.75" x 3" x 4 Feet Long

12 Pieces

PRICE: \$184.34 Each

Ships 1st week of January with a Prompt Order (We are shutting down Dec 22nd and Reopening Jan 2nd) or within 1 Week ARO whichever is applicable

FOB Deer Park NY 11729

All Material is Subject to Prior Sale & Availability

Kindest Regards,

Anthony

Anthony Burmeta

DIVERSIFIED INDUSTRIAL PRODUCTS (AS 9100 & ISO 9001 Certified)

14 CONNOR LANE, DEER PARK NY 11729

(631) 761-6200 EXT 110

anthony@dipmetals.com

From: Chantal Lavoie [<mailto:clavoie@dartaero.com>]

Sent: Wednesday, December 20, 2017 9:10 AM

To: Anthony Burmeta

Cc: Jean-Luc Menard

Subject: quote

Good morning Anthony,

Please advise if you would have this mat'l in stock, please advise price and delivery on mat'l.

7075-t6 plate 1.750" x 3" x 48 ft

Thanks

Chantal Lavoie

Chantal Lavoie

Purchasing Coordinator

DART AEROSPACE

T 1 613 632-5200

F 1 613 632-1053

E clavoie@dartaero.com

1 800 556- 4166

www.dartaerospace.com



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SHIP TO:
DIVERSIFIED INDUSTRIAL PRODUCTS 14 CONNOR LANE DEER PARK, NY 11729
SOLD TO:
DIVERSIFIED INDUSTRIAL PRODUCTS 14 CONNOR LANE DEER PARK, NY 11729

**KAISER
ALUMINUM**
Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4478709

CUSTOMER PO NUMBER: 098007-3	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD: 104046/16	GOV'T CONTRACT NUMBER:
KAISER ORDER NO: 1242681-3	SHIP DATE: 20-SEP-2017	ALLOY: 7075	CLAD: BARE	TEMPER: T651
PRODUCT DESCRIPTION: KaiserSelect Plate	WEIGHT SHIPPED: 3766 LB	QUANTITY: 3 PCS EST.	TRUCK B/L #: 2069094	GAUGE: 1.7500 IN (44.4500 MM)
DIAMETER/WIDTH: 48.500 IN (1231.9 MM)	LENGTH: 144.500 IN (3670.3 MM)			

MHU 2153028: LOT 704550B3: 3 pieces;

Certified Specifications

AMS 4046/RevL

AMS-QQ-A-250/ 2/RevA

ASTM B 209/Rev14

Test Code: 1512

Lot: 704550B3

Cast 534

Drop 30

Test Results

Ingot 1

Parent Lot: 245163B1

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	80.8 : 81.6 (557 : 563)	71.2 : 72.3 (491 : 499)	12.5 : 13.4

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.13	1.4	0.03	2.6	0.20	5.8	0.02	0.01	0.01	TOT 0.03

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

DIVERSIFIED INDUSTRIAL PRODUCTS CORP.
CERTIFY THIS A TRUE COPY OF THE
MILL TEST REPORT USED TO FILL YOUR
ORDER.

Company DART AEROSPACE LTD.

PO# PO038697

Our Inv. # 64915

Qty. 48 FT

Part #

QC Dept. Cathi Vail

Cathi Vail

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

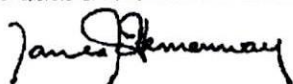
Serial Number
4478709

CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- * has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- * All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- * was melted in the United States of America or a qualifying country per DFARS 225.672-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- * has been thermally processed in compliance with AMS 2772, where applicable.
- * is mercury free, within the limits of detection of ASTM E1255 (< 1ppm).
- * is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- * is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
- * is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- * is free of weld repair.
- * meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.



JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075+651.750X3.000

PO / BATCH NO.: 038697/5030258

DATE: JAN 09 2018

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 48"
 QUANTITY INSPECTED: 48"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.750
 THICKNESS RECEIVED: 1.750
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	AMS-QR-A-250
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(X) N	Heat # 704550B3
CORRECT MATERIAL IDENTIFICATION	(X) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>1-8</u> DATE: <u>JAN 09 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET

SPECIFICATION: QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027
OR ASTM B209

PART NUMBER: M6061T6S | XXX | THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M6061T6S.063

PREFERRED SIZE: XXX BY 4FT BY 8FT

RELEASED
2009-09-10

B	REFORMAT DWG. ADD B209 SPEC (ZN D8-1). REF PAR 08-020A	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		M6061T6S	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		6061-T6 SHEET SPEC	NTS
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